



# County of San Diego

## DEPARTMENT OF PUBLIC WORKS

JOHN L. SNYDER  
DIRECTOR

5555 OVERLAND AVE, SUITE 2188  
SAN DIEGO, CALIFORNIA 92123-1295  
(858) 694-2212 FAX: (858) 268-0461  
Web Site: [sdcdpw.org](http://sdcdpw.org)

March 15, 2006

### **CEQA Initial Study - Environmental Checklist Form** (Based on the State CEQA Guidelines, Appendix G Rev. 10/04)

1. Project Number(s)/Environmental Log Number/Title:

Central Avenue Flood Control Improvement Project, FCDDT-00149

2. Lead agency name and address:

County of San Diego, Department of Public Works  
5469 Kearny Villa Road, Suite 305,  
San Diego, CA 92123-1152

3. a. Contact: Esther Daigneault, Environmental Planner  
b. Phone number: (858) 874-4107  
c. E-mail: [Esther.Daigneault@sdcounty.ca.gov](mailto:Esther.Daigneault@sdcounty.ca.gov).

4. Project location:

The project site is located on the north and south side of Central Avenue between Belle Bonnie Brae Road and Dawsonia Street in the unincorporated area of Bonita in San Diego County (See Figure 1 & 2).

Thomas Brothers Coordinates: Page 1311, Grid A/1  
USGS coordinates from National City Quadrangle: T17S, R1W

5. Project sponsor's name and address:

County of San Diego  
Department of Public Works  
Engineering Services Division  
5555 Overland Dr.  
San Diego, CA 92123

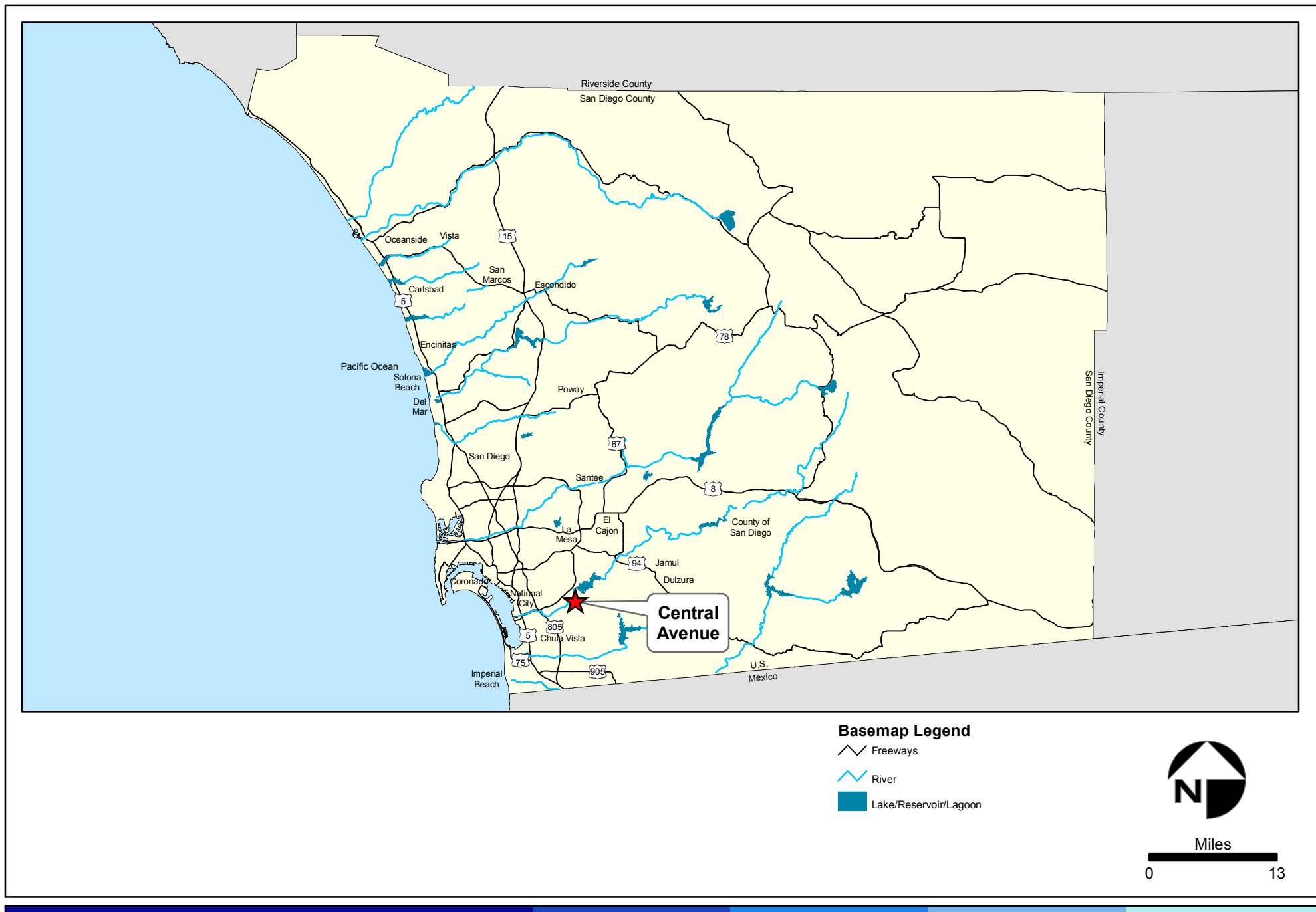
6. General Plan Designation  
Community Plan: Sweetwater Community Plan  
Land Use Designation: N/A  
Density: N/A
7. Zoning  
Use Regulation: N/A  
Density: N/A  
Special Area Regulation: N/A
8. Description of project:

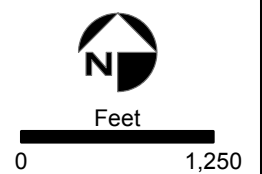
Central Avenue has a long history of flooding problems during moderate and large storm events. The County of San Diego Department of Public Works (DPW) Capital Improvements Projects (CIP) proposes to upgrade the drainage facilities and to alleviate flooding up to and including a 100-year runoff event in and to improve public safety to schoolchildren and motorists within the vicinity of Central Avenue. The proposed project was designed to reduce hazardous effects and risks by collections and conveying flood flows under Central Avenue.

The proposed project will construct a triple 16' x 5' reinforced concrete box (RCB) culvert for approximately 450 feet. The proposed culverts would replace the existing drainage channel, driveway structures, and headwall structure at Central Avenue. The proposed upper limit of the system begins at the existing pedestrian walkway and continues west under Central Avenue and daylights into the northern section of the existing earthen swale. The existing triple 10' x 5' RCB under Central Avenue will be replaced with a triple 16' x 5' RCB. Four 24" x 24" catch basins will be constructed at each property line on the northern side of Central Avenue. These catch basins will catch the local yard drainage and carry into the new box culvert via an 18" RCP storm drain pipe. A vegetated swale will be constructed between these catch basins to carry the flows.

A reinforced concrete apron will be constructed south of the Central Avenue crossing where the underground RCB culverts transitions to an open channel. An energy dissipator consisting of a cellular mat and turf reinforcement map will be constructed immediately downstream from the concrete apron. In addition the project proposes to construct an 8-foot high Concrete Masonry Unit (CMU) block floodwall along the banks of the downstream earthen channel to the Dawsonia Street over crossing to help mitigate potential flooding issues at adjacent residential properties. Additionally the project proposes to improve the inlet transition to the Dawsonia Street crossing. The existing earthen channel will transition to a geofabric bottom armor flex sides for approximately 130 feet and then transitioning to a 20 foot reinforced concrete apron at the inlet to the existing box culvert under Dawsonia Street.

The project will install two 18" reinforced concrete pipes (RCP) storm drain to carry flows off Hazelhurst Ct and Audubon Court. Each pipe will be





approximately 80 feet long and will outlet at a headwall into the existing channel. A curb inlet will be constructed on each court to catch runoff from the street.

In addition the project proposes to construct curb, gutter, and sidewalk improvements along the north side of Central Avenue, guardrails, fences and safety roads through the project site and the relocation of some utilities. The project will also reconstruct two existing residential driveways and the school pedestrian walkway after the installation of the culvert.

9. Surrounding land uses and setting:

The project site is located in the urban residential community of Sunnyside, California approximately 12 miles to the east of the City of San Diego. The project site is divided in two sections by Central Avenue approximately 0.50 miles east of the intersection of Central Avenue and Bonita Road. The northern section flows from east to west and parallels Central Avenue. This section is bound to the north by residences and to the south by Central Avenue. The drainage crosses under Central Avenue prior to its confluence with the Sweetwater River approximately 0.75 miles southwest via a reinforced concrete box culvert. The southern section of the project site is surrounded by residences to the east, west and south, and Central Avenue to the north.

10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):

**Permit Type/Action**

Clean Water Act - 401 Permit - Water Quality Certification

Clean Water Act - 404 Permit – Dredge and Fill

1602 – Streambed Alteration Agreement

**Agency**

Regional Water Quality Control Board (RWQCB)

US Army Corps of Engineers (ACOE)

CA Department of Fish and Game (CDFG)

**ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:** The environmental factors checked below would be potentially affected by this project and involve at least one impact that is a “Potentially Significant Impact” or a “Potentially Significant Impact Unless Mitigation Incorporated,” as indicated by the checklist on the following pages.

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> <u>Aesthetics</u>                      | <input type="checkbox"/> <u>Agriculture Resources</u>                    | <input type="checkbox"/> <u>Air Quality</u>              |
| <input checked="" type="checkbox"/> <u>Biological Resources</u> | <input type="checkbox"/> <u>Cultural Resources</u>                       | <input type="checkbox"/> <u>Geology &amp; Soils</u>      |
| <input type="checkbox"/> <u>Hazards &amp; Haz. Materials</u>    | <input checked="" type="checkbox"/> <u>Hydrology &amp; Water Quality</u> | <input type="checkbox"/> <u>Land Use &amp; Planning</u>  |
| <input type="checkbox"/> <u>Mineral Resources</u>               | <input checked="" type="checkbox"/> <u>Noise</u>                         | <input type="checkbox"/> <u>Population &amp; Housing</u> |
| <input type="checkbox"/> <u>Public Services</u>                 | <input type="checkbox"/> <u>Recreation</u>                               | <input type="checkbox"/> <u>Transportation/Traffic</u>   |
| <input type="checkbox"/> <u>Utilities &amp; Service Systems</u> | <input type="checkbox"/> <u>Mandatory Findings of Significance</u>       |  |

**DETERMINATION:** (To be completed by the Lead Agency)

On the basis of this initial evaluation:

- ☐ On the basis of this Initial Study, the Department of Public Works finds that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- ☒ On the basis of this Initial Study, the Department of Public Works finds that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- ☐ On the basis of this Initial Study, the Department of Public Works finds that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

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Signature

Esther Daigneault  
Printed Name

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Date

Environmental Planner  
Title

**I. AESTHETICS** -- Would the project:

a) Have a substantial adverse effect on a scenic vista?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

**No Impact:** Scenic vistas are singular vantage points that offer unobstructed views of valued viewsheds, including areas designated as official scenic vistas along major highways or County designated visual resources. Based on a site visit completed by ESU Staff on October 6, 2005 the proposed project is not located near or visible from a scenic vista and will not change the composition of an existing scenic vista. The project site is located in the developed residential community of Sunnyside. The northern section of the project is bounded by single family residential homes to the north and by Central Avenue to the south and the southern section is bounded by residences to the east, west, and south. The terrain is generally flat. The slope is less than 1 percent throughout the majority of the site. Therefore, the proposed project will not have any substantial adverse effect on a scenic vista.

b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

**No Impact:** State scenic highways refer to those highways that are officially designated. A scenic highway is officially designated as a State scenic highway when the local jurisdiction adopts a scenic corridor protection program, applies to the California Department of Transportation for scenic highway approval, and receives notification from Caltrans that the highway has been designated as an official Scenic Highway. Generally, the area defined within a State scenic highway is the land adjacent to and visible from the vehicular right-of-way. The dimension of a scenic highway is usually identified using a motorist's line of vision, but a reasonable boundary is selected when the view extends to the distant horizon. Based on a site visit completed by ESU Staff on October 6, 2005, the proposed project is not located near or visible within the same composite viewshed as a State scenic highway and will not change the visual composition of an existing scenic resource within a State scenic highway. Therefore, the proposed project will not have any substantial adverse effect on a scenic resource within a State scenic highway.



- c) Substantially degrade the existing visual character or quality of the site and its surroundings?

<input type="checkbox"/> Potentially Significant Impact	<input checked="" type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input type="checkbox"/> No Impact

Discussion/Explanation:

**Less Than Significant Impact:** Visual character is the objective composition of the visible landscape within a viewshed. Visual character is based on the organization of the pattern elements line, form, color, and texture. Visual character is commonly discussed in terms of dominance, scale, diversity and continuity. Visual quality is the viewer's perception of the visual environment and varies based on exposure, sensitivity and expectation of the viewers. The existing visual character and quality of the project site and surrounding can be characterized by a variety of vegetation in the earthen drainage facility and shrubs and trees that border the northern bank. Immediately to the south of the drainage is an earthen pedestrian walkway and Central Avenue. The northern section of the project is bounded by single family residential homes to the north and by Central Avenue to the south and the southern section is bounded by residences to the east, west, and south.

The existing earthen channel north of Central Avenue is highly fragmented and comprised of valley freshwater marsh, sparse riparian and non-native vegetation. The project proposes to replace the existing undersized earthen channel with a triple 15'x5' RCB culvert for approximately 450 feet. A reinforced concreted apron will be constructed south of Central Avenue where the RCB transitions to an open channel. An energy dissipator consisting of a cellular mat and turf reinforced matting will be constructed immediately downstream. In addition, a CMU floodwall on the northwest bank of the channel to the Dawsonia Street over crossing will be constructed to protect the adjacent residences from flooding.

The project is compatible with the existing visual environment's visual character and quality. The project will not degrade the overall visual quality of the site. The project will place the culvert approximately 2 feet below the surface. The area will be hydroseeded with native species to be consistent with the surrounding area. The project will also place Sycamore and Willow plantings along the downstream channel to enhance the riparian cover to reduce the opportunity for future overgrowth of vegetation in the channel.

The project will not result in cumulative impacts on visual character or quality because the entire existing viewshed and a list of past, present and future projects within that viewshed were evaluated. Refer to XVII. Mandatory Findings of Significance for a comprehensive list of the projects considered. Those projects listed in Section XVII are located within the viewshed surrounding the project and will not contribute to a cumulative impact for the following reason. Therefore, the project



will not result in any adverse project or cumulative level effect on visual character or quality on-site or in the surrounding area.

- d) Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The project does not propose the use of any outdoor lighting or building materials with highly reflective properties such as highly reflective glass or high-gloss surface colors. Therefore, the project will not create any new sources of light pollution that could contribute to skyglow, light trespass or glare and adversely affect day or nighttime views in area.

**II. AGRICULTURE RESOURCES** -- In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:

- a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The project site does not contain any lands designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency. In addition, the project does not contain Farmland of Local Importance. Therefore, no Prime Farmland, Unique Farmland, Farmland of Statewide or Farmland of Local Importance will be converted to a non-agricultural use.

- b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Mitigation Incorporated

Discussion/Explanation:

**No Impact:** The project site is zoned single-family residential, multi-family residential, and commercial, which is not considered to be an agricultural zone. Additionally, the project site's land is not under a Williamson Act Contract. Therefore, the project does not conflict with existing zoning for agricultural use, or a Williamson Act Contract.

- c) Involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The project site between Central Avenue and Bonita Road is within a radius of 1 mile and does not contain any lands designated as Prime Farmland, Unique Farmland, Farmland of Statewide Importance or Farmland of Local Importance as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency. Therefore, no Prime Farmland, Unique Farmland, Farmland of Statewide, or Farmland of Local Importance will be converted to a non-agricultural use.

**III. AIR QUALITY** -- Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:

- a) Conflict with or obstruct implementation of the San Diego Regional Air Quality Strategy (RAQS) or applicable portions of the State Implementation Plan (SIP)?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** Operation of the project will not result in emissions of significant quantities of criteria pollutants listed in the California Ambient Air Quality Standards or toxic air contaminants as identified by the California Air Resources Board. Therefore, the project will not conflict or obstruct with the implementation of the RAQS nor the SIP on a project or cumulative level.

- b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?

<input type="checkbox"/> Potentially Significant Impact	<input checked="" type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input type="checkbox"/> No Impact

Discussion/Explanation:

**Less Than Significant Impact:** In general, air quality impacts from public works projects are the result of emissions from short-term construction activities associated with such projects. The San Diego County Air Pollution Control District (SDAPCD) has established screening-level criteria for all new source review (NSR) in APCD Rule 20.2. For CEQA purposes, these screening-level criteria can be used as numeric methods to demonstrate that a project's total emissions (e.g. stationary and fugitive emissions, as well as emissions from mobile sources) would not result in a significant impact to air quality. Since APCD does not have screening-level criteria for emissions of volatile organic compounds (VOCs), the use of the screening level for reactive organic compounds (ROC) from the CEQA Air Quality Handbook for the South Coast Air Basin (SCAB), which has stricter standards for emissions of ROCs/VOCs than San Diego's, is appropriate. However, the eastern portions of the county have atmospheric conditions that are characteristic of the Southeast Desert Air Basin (SEDAB). SEDAB is not classified as an extreme non-attainment area for ozone and therefore has a less restrictive screening-level. Projects located in the eastern portions of the County can use the SEDAB screening-level threshold for VOCs.

The proposed flood control improvement proposes to upgrade the existing drainage facilities and to alleviate flooding up to and including a 100-year runoff event in the vicinity of Central Avenue. Grading operations associated with the construction of the project would be subject to County of San Diego Grading Ordinance, which requires the implementation of dust control measures. Emissions from the construction phase would be minimal and localized, resulting in pollutant emissions below the screening-level criteria established by SDAPCD Rule 20.2 and by the South Coast Air Quality Management District (SCAQMD) CEQA Air Quality Handbook section 6.2 and 6.3. The implementation of this project will not result in any new Average Daily Trips (ADTs) on Central Avenue. As such, the project will not violate any air quality standard or contribute substantially to an existing or projected air quality violation.

- c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?

<input type="checkbox"/> Potentially Significant Impact	<input checked="" type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input type="checkbox"/> No Impact

Discussion/Explanation:

**Less than Significant Impact:** San Diego County is presently in non-attainment for the 1-hour concentrations under the California Ambient Air Quality Standard (CAAQS) for Ozone ( $O_3$ ). San Diego County is also presently in non-attainment for the annual geometric mean and for the 24-hour concentrations of Particulate Matter less than or equal to 10 microns ( $PM_{10}$ ) under the CAAQS.  $O_3$  is formed when volatile organic compounds (VOCs) and nitrogen oxides ( $NO_x$ ) react in the presence of sunlight. VOC sources include any source that burns fuels (e.g., gasoline, natural gas, wood, oil); solvents; petroleum processing and storage; and pesticides. Sources of  $PM_{10}$  in both urban and rural areas include: motor vehicles, wood burning stoves and fireplaces, dust from construction, landfills, agriculture, wildfires, brush/waste burning, and industrial sources of windblown dust from open lands.

Air quality emissions associated with the project include emissions of  $PM_{10}$ ,  $NO_x$  and VOCs from construction/grading activities, and VOCs as the result of increase of traffic from operations at the facility. However, grading operations associated with the construction of the project would be subject to County of San Diego Grading Ordinance, which requires the implementation of dust control measures. Emissions from the construction phase would be minimal and localized, resulting in  $PM_{10}$  and VOC emissions below the screening-level criteria established by SDAPCD Rule 20.2 and by the South Coast Air Quality Management District (SCAQMD) CEQA air quality handbook section 6.2 and 6.3.

In addition, a list of past, present and future projects within the surrounding area were evaluated and none of these projects emit significant amounts of criteria pollutants. Refer to XVII. Mandatory Findings of Significance for a comprehensive list of the projects considered. The proposed project as well as the past, present and future projects within the surrounding area, have emissions below the screening-level criteria established by SDAPCD Rule 20.2 and by the SCAQMD CEQA air quality handbook section 6.2 and 6.3, therefore, the construction and operational emissions associated with the proposed project are not expected to create a cumulatively considerable impact nor a considerable net increase of  $PM_{10}$ , or any  $O_3$  precursors.

d) Expose sensitive receptors to substantial pollutant concentrations?

- |   |  |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact                         | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input type="checkbox"/> No Impact                               |

Discussion/Explanation:

**Less Than Significant Impact:** Air quality regulators typically define sensitive receptors as schools (Preschool-12<sup>th</sup> Grade), hospitals, resident care facilities, or day-care centers, or other facilities that may house individuals with health conditions that would be adversely impacted by changes in air quality. The following sensitive

receptors have been identified within a quarter-mile (the radius determined by the SCAQMD in which the dilution of pollutants is typically significant) of the proposed project: Sunnyside Elementary School. However, based on review this project does not propose uses or activities that would result in exposure of these identified sensitive receptors to significant pollutant concentrations. In addition, the project will not contribute to a cumulatively considerable exposure of sensitive receptors to substantial pollutant concentrations because the proposed project as well as the listed projects have emissions below the screening-level criteria established by SDAPCD Rule 20.2 and by the SCAQMD CEQA air quality handbook section 6.2 and 6.3.

e) Create objectionable odors affecting a substantial number of people?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

**No Impact:** No potential sources of objectionable odors have been identified in association with the proposed project. As such, no impact from odors is anticipated.

**IV. BIOLOGICAL RESOURCES** -- Would the project:

a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

- |   |  |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact                         | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input type="checkbox"/> No Impact                               |

Discussion/Explanation:

**Less Than Significant Impact:** Based on an analysis of the County's Geographic Information System (GIS) records, the County's Comprehensive Matrix of Sensitive Species, and a Biological Resources Report dated December 2005 prepared by CH2MHill and updated March 2006 by TAIC determined that the plant communities onsite are characteristic of a combination of valley freshwater marsh, mulefat scrub and non-native vegetation. The dominant overstory plants within this community include many native species such as golden wattle, *Acaia longifolia*, and eucalyptus, *Euclayptus sp.* and native such as few arroyo willows, *Salix lasiolepis*, with predominantly broad-leaved cattails, *Typha latifolia* and hardstem bulrush, *Scripus acutus* located along the small unnamed creek channel.

No sensitive plants species were observed onsite. Two sensitive wildlife species, a sharp-shinned hawk was observed flying above the area north of Central Avenue and a

yellow-breasted chad was observed in the riparian north of the project site. However the study area has low structural diversity, a low diversity of plant species, and a high level of invasive exotic plants, which do not tend to provide high quality foraging or nesting opportunities for native wildlife. Furthermore due to the poor quality of riparian habitat in the study area and the absence of mature riparian forest, it is unlikely that least Bell's vireo will nest within or north of the project site.

However, staff has determined that although portions the site supports native biological habitat, the removal of this habitat will not result in substantial adverse effects, either directly or through habitat modifications, to species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service. However the project may result in indirect impacts to nesting birds. As much as practicable, construction activities will occur outside of the general migratory bird breeding season, February 15 – September 15 so that actively nesting birds will not be disturbed by noise and dust related to construction activities. If construction occurs within the migratory bird breeding season, nest surveys will be conducted by a qualified biologist during regular construction monitoring. If a nest is found in a tree within the project site, the tree will be flagged and protected from construction activities until the young have fledged from the nest.

The project is located within the County of San Diego's Multiple Species Conservation Program. The project has been designed to conform to the Subarea plan and all impacts will be mitigated in accordance with the Biological Mitigation Ordinance. No temporary or permanent adverse impacts are anticipated to any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service.

- b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input checked="" type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input type="checkbox"/> No Impact

Discussion/Explanation:

**Potentially Significant Unless Mitigation Incorporated:** The landscape in the vicinity of the project area has been fragmented and significantly disturbed by the construction of residences, property fences, landscaping and Central Avenue over the years. The undeveloped land within the proposed project site consists of valley freshwater marsh, sparse southern willow scrub and non-native vegetation. The central low flow channel south of Central Avenue consists of sandy/clay soils with very dense emergent wetland vegetation. Within the project area a thin band of valley freshwater marsh occurs along the center of the unnamed blueline stream and includes species such as broad-leaved

cattails (*Typha latifolia*) and hardstem bulrush (*Scirpus acutus*). One small patch of mulefat scrub (*Baccharis salicifolia*) is located on the channel bank south of Central Avenue. Portions of the project site are also dominated by non-native vegetation such as wild radish (*Raphanus sativus*), horseweed (*Conyza canadensis*), and golden wattle (*Acacia longifolia*). Non-native vegetation accounts for the largest vegetated area at the project site and consists mostly of turf grasses bordering the freshwater marsh community. The non-native vegetation was also observed within the ordinary highwater mark of the channel. The remaining areas of the project site are either unvegetated such as the trail located on the east bank of the channel south of Central Avenue or developed areas which have been paved and/or built up. See Figure 3.

Implementation of the proposed project will result in permanent impacts to 0.566 acre of non-native vegetation and 0.570 acre of freshwater marsh. Permanent impacts are associated with permanent structures such as concrete apron, cellular concrete mat, turf reinforcement mat channel lining, rip-rap, and RCB culvert. Channel excavating and grading is also considered permanent, although the channel slopes will be revegetated with native wetlands vegetation. Implementation of the proposed project will result in temporary impacts to 0.675 acre on non-native vegetation, 0.821 acre of freshwater marsh, and 0.079 acre of mule-fat scrub. Temporary impacts are associated with a temporary check dam, channel construction zone, and equipment access.

Permanent impacts to native vegetation will be mitigated at a 3:1 ratio for a total of 1.97 acre. A Conceptual Wetland Mitigation plan has been prepared which proposes the creation of southern willow scrub habitat off-site within an upland area adjacent to the Sweetwater River located north of Bonita Road and east of Lynnwood Drive within the Sweetwater County Park. The plan outlines the creation of habitat to increase the function and values of the riparian corridor along a portion of the Sweetwater River that is currently unvegetated or dominated by native species. Temporary impact areas will be restored to previous grade as much as feasible and revegetated with type-appropriate native plants. The temporary impact category includes "permanent" changes to the downstream channel grade that will be restored and revegetated, and that are self-mitigating as channel restoration is included in the project description.

The County will apply for permits to address these permanent and temporary impacts. These permits include a 1602 Streambed Alteration Agreement from CDFG, a 404 Individual Permit from the ACOE, and a 401 Water Quality Certification from the Regional Water Quality Control Board (RWQCB).

- c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input checked="" type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input type="checkbox"/> No Impact



Discussion/Explanation:

**Potentially Significant Unless Mitigation Incorporated:** The project area contains wetlands subject to the US Army Corps of Engineers (ACOE) and California Department of Fish and Game Jurisdiction (CDFG) and will result in a substantial adverse effect on federally protected wetland as defined by Section 404 of the Clean Water Act. Implementation of the proposed project will permanently impact approximately 0.26 acre of ACOE waters and 0.52 acre of ACOE wetlands. Temporary impacts to ACOE waters amount to approximately 0.46 acre and temporary impacts to ACOE wetlands amount to approximately 0.900 acre. The proposed project will also permanently impact 0.26 acre of CDFG Streambed and 0.57 acre of CDFG wetlands and temporarily impact 0.46 acre of CDFG Streambed and 0.900 acre of CDFG wetlands. See Figure 4 and Table 1.

Table 1 ACOE and CDFG Impact Acreages

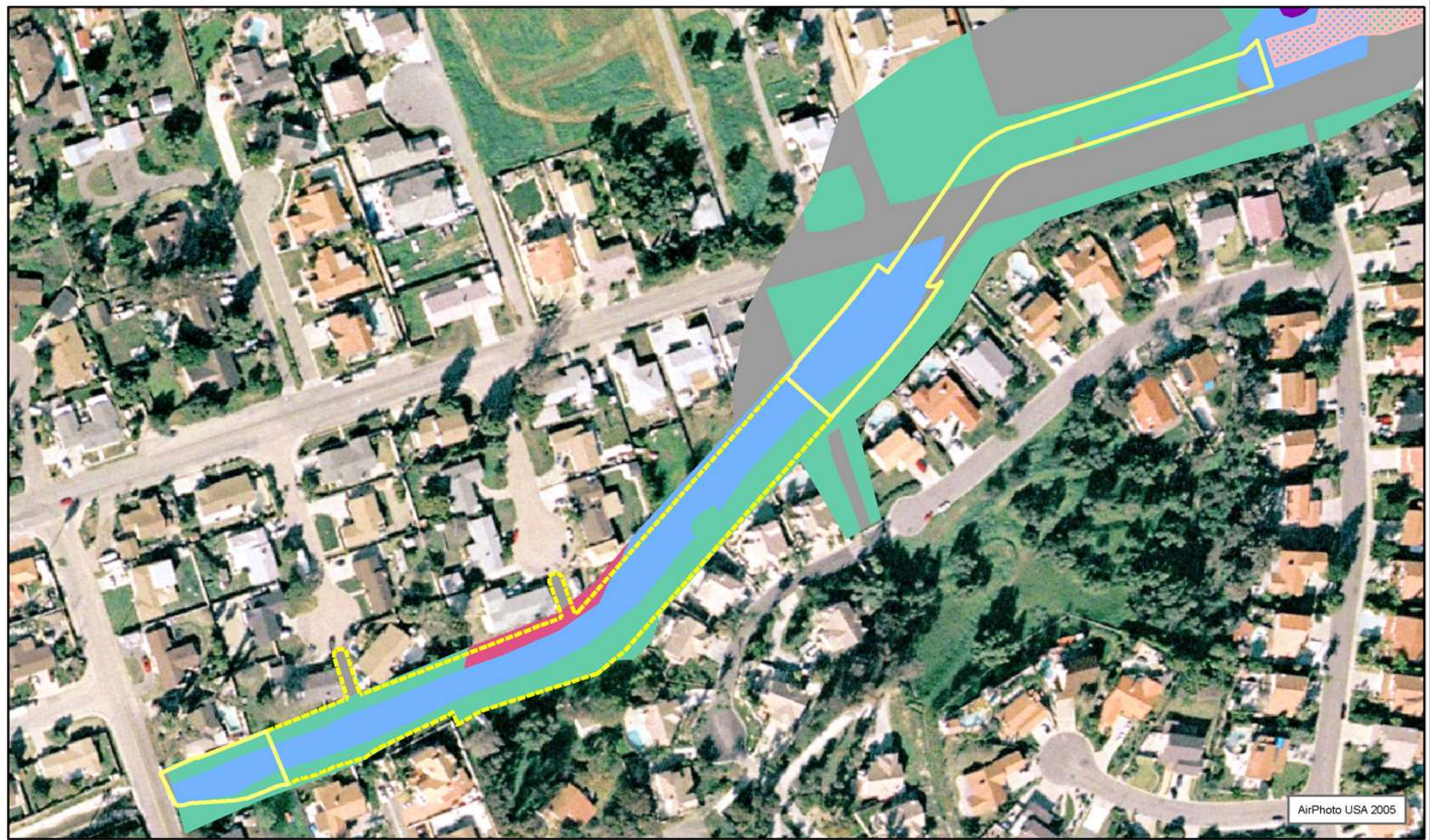
Impact Type	Corps Jurisdiction		CDFG Jurisdiction*	
	WOUS	Wetlands	Streambed	Wetlands
<b>Permanent</b>	0.262	0.519	0.262	0.571
<b>Temporary</b>	0.461	0.900	0.461	0.900

\* CDFG includes ACOE jurisdiction

The permanent impacts of the Central Avenue Drainage Project, are associated with installation of permanent structures such as concrete apron, cellular concrete mat, turf reinforcement mat channel lining, rip-rap, and RCB culvert. The temporary impacts are associated with a temporary check dam, channel construction zone, and equipment access. Temporary impact areas will be restored to previous grade as much as feasible and revegetated with type-appropriate native plants. The temporary impact category also includes “permanent” changes to the downstream channel grade that will be restored and revegetated, and that are self-mitigating as channel restoration is included in the project description.

The project proposes to mitigate for impact to ACOE and CDFG jurisdiction through the creation of a minimum of 1.97 acres (3:1 ratio) of ACOE and CDFG habitat at an offsite location within the Sweetwater River corridor. A Conceptual Wetland Mitigation plan has been prepared which proposes the creation of southern willow scrub habitat off-site within an upland area adjacent to the Sweetwater River located north of Bonita Road and east of Lynnwood Drive within the Sweetwater County Park. The plan outlines the creation of habitat to increase the function and values of the riparian corridor along a portion of the Sweetwater River that is currently unvegetated or dominated by native species. Temporary impact areas will be restored to previous grade as much as feasible and revegetated with type-appropriate native plants. The temporary impact category includes “permanent” changes to the downstream channel grade that will be restored and revegetated, and that are self-mitigating as channel restoration is included in the project description.





AirPhoto USA 2005

# Legend

## Vegetation Community

- Non-Native Vegetation
- Freshwater Marsh
- Mule Fat Scrub

- Southern Willow Scrub
- Developed

- Permanent Impact
- Temporary Impact
- Open Space Easement










Feet

0 180





#### Legend

- |  |   |   |                     |
|--|---|---|---------------------|
|  | Vegetated Wetlands (Corps and CDFG)           |  | Permanent Impact    |
|  | Waters of the U.S./Streambed (Corps and CDFG) |  | Temporary Impact    |
|  | Total Corps Jurisdictional Area               |  | Open Space Easement |
|  | CDFG Wetlands Only                            |   |                     |

AirPhoto USA 2005



Feet  
0 180



The project will not result in cumulative impacts to biological resources based on a review of past, present and future projects. Refer to Section XVII. Mandatory Findings of Significance for a comprehensive list of the projects considered. Those projects listed in Section XVII are located north and south of the project site along the drainage channel and do not propose impacts to riparian habitats. All impacts resulting from the proposed project will be mitigated to a level below significance.

The County will apply for permits to address these permanent and temporary impacts. These permits include a 1602 Streambed Alteration Agreement from CDFG, a 404 Individual Permit from the ACOE, and a 401 Water Quality Certification from the RWQCB.

- d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

<input type="checkbox"/> Potentially Significant Impact	<input checked="" type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input type="checkbox"/> No Impact

Discussion/Explanation:

**Less than Significant Impact:** Based on an analysis of the County's Geographic Information System (GIS) records, the County's Comprehensive Matrix of Sensitive Species, site photos, and a Biological Resources Report dated December 2005 prepared by CH2MHill and updated March 2006 by TAIC, it has determined that the site has limited biological value and impedance of the movement of any native resident or migratory fish or wildlife species, the use of an established native resident or migratory wildlife corridors, and the use of native wildlife nursery sites would not be expected as a result of the proposed project for the following reasons: The proposed project site is characterized by typically arid conditions. However the majority of the project site is characterized as valley freshwater marsh and includes area dominated by non-native species. The project will not interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors. The landscape in the vicinity of the study area has been fragmented and significantly disturbed by construction of residences, property fences, landscaping, and Central Avenue. Due to this large degree of habitat fragmentation and disturbance at the site, wildlife diversity and abundance is considered low. In addition, because of the presence of urban development on the immediately surrounding lands, the site provides little function for access and egress of wildlife to surrounding lands, such as a corridor function.

- e) Conflict with the provisions of any adopted Habitat Conservation Plan, Natural Communities Conservation Plan, other approved local, regional or state habitat conservation plan or any other local policies or ordinances that protect biological resources?

- |   |  |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact                         | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input type="checkbox"/> No Impact                               |

Discussion/Explanation:

**Less Than Significant Impact:** The proposed project is located within the limits of the County of San Diego Multiple Species Conservation Program (MSCP). Based on the findings dated March 10, 2006, the project has been found in conformance with the Biological Mitigation Ordinance (BMO) and Subarea Plan. The proposed project will have no adverse effects on sensitive species and the County has made every effort to avoid impacts to sensitive resources. The project proposes to mitigate for impacts at ratio of 3:1. Temporary impacts will be mitigated at a 1:1 ratio through onsite restoration of impacted wetlands. Impacts will be mitigated in accordance with the no-net loss wetland standard.

**V. CULTURAL RESOURCES** -- Would the project:

- a) Cause a substantial adverse change in the significance of a historical resource as defined in 15064.5?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

**No Impact:** Based on a search of the site files in the California Historical Resources Information System on October 3, 2005 at the South Coast Information Center, it has been determined that there are no impacts to historical resources because they do not occur within the project site.

- b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to 15064.5?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

**No Impact:** Based on an analysis of California Historical Resources Information System Site Files Record Search, on October 3, 2005 at the South Coast Information Center it has been determined that the project site does not contain any archaeological resources. Therefore the project will not result in a substantial adverse change in the significance of an archeological resource.

- c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

<input type="checkbox"/> Potentially Significant Impact	<input checked="" type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input type="checkbox"/> No Impact

Discussion/Explanation:

**Less than Significant Impact:** A review of the paleontological maps provided by the San Diego Museum of Natural History, combined with available data on San Diego County's geologic formations indicates that the project is located on geological formations that have moderate resource potential. Moderate resource potential is assigned to geologic formations known to contain paleontological localities with poorly preserved, elsewhere common, or stratigraphically unimportant fossil material. The moderate sensitivity category is also applied to geologic formations that are judged to have a strong, but unproven potential for producing important fossil remains. However it has been determined the project will have less than significant impact on paleontological resources because the project will not result in the permanent loss of paleontological information, because the project will not exceed the following excavation guidelines that indicate when a paleontological resource may be significantly impacted for areas with moderate resource potential: Additionally, based on a site visit by ESU Staff on October 6, 2005, no known unique geologic features were identified on the property or in the immediate vicinity.

Therefore, because the project will not exceed the excavation guidelines the project will not result in the permanent loss of significant paleontological information. Moreover, the project will not contribute to a cumulatively considerable loss of information, because all projects in the areas with moderate resource potential are required to have paleontological monitor during grading operations if these guidelines are exceeded.

- d) Disturb any human remains, including those interred outside of formal cemeteries?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** Based on an analysis of California Historical Resources Information System Site Files Record Search, on October 3, 2005 at the South Coast Information Center it has been determined that the project will not disturb any human remains because the project site does not include a formal cemetery or any archaeological resources that might contain interred human remains.

**VI. GEOLOGY AND SOILS** -- Would the project:

a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:

- i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The project is not located in a fault rupture hazard zone identified by the Alquist-Priolo Earthquake Fault Zoning Act, Special Publication 42, Revised 1997, Fault-Rupture Hazards Zones in California. Also, a site visit conducted by County staff on October 6, 2005 and has concluded that no other substantial evidence of recent (Holocene) fault activity is present within the project site. Therefore, there will be no impact from the exposure of people or structures to adverse effects from a known hazard zone as a result of this project.

- ii. Strong seismic ground shaking?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The proposed flood control improvement proposes to upgrade the existing drainage facilities and to alleviate flooding up to and including a 100-year runoff event in the vicinity of Central Avenue. The project does not proposes the construction of any structures, therefore, there will be no impact from the exposure of people or structures to potential adverse effects from strong seismic ground shaking as a result of this project.

- iii. Seismic-related ground failure, including liquefaction?

<input type="checkbox"/> Potentially Significant Impact	<input checked="" type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input type="checkbox"/> No Impact

Discussion/Explanation:



**Less Than Significant Impact:** The project site is located within a floodplain and/or is identified as Quaternary Alluvium. A Geotechnical Report prepared by Klinefelder, on has determined that the alluvial underlying the proposed culvert is comprised predominantly of clays and silty clays which have very low potential of liquefaction. Therefore, there will be a less than significant impact from the exposure of people to adverse effects from a known area susceptible to ground failure.

iv. Landslides?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

**No Impact:** The proposed project site is not located within a landslide susceptibility zone. Also, County staff has determined that the geologic environment of the project area is not located within an area of potential or pre-existing conditions that could become unstable in the event of seismic activity.

b) Result in substantial soil erosion or the loss of topsoil?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

**No Impact:** According to the Soil Survey of San Diego County, the soils on-site are identified as Salinas clay loam that has a soil erodibility rating of "slight" as indicated by the Soil Survey for the San Diego Area, prepared by the US Department of Agriculture, Soil Conservation and Forest Service dated December 1973. Moreover, the project will not result in unprotected erodible soils, and will not develop steep slopes. The project will result in minor grading of the downstream channel with an overall slope of 2:1. The downstream grading will require the excavation of approximately 3,570 cubic yards from Central Avenue to Dawsonia Street. However, the project is required to comply with the San Diego County Code of Regulations, Title 8, Zoning and Land Use Regulations, Division 7, Sections 87.414 (DRAINAGE - EROSION PREVENTION) and 87.417 (PLANTING). Due to these factors, it has been found that the project will not result in substantial soil erosion or the loss of topsoil.

c) Will the project produce unstable geological conditions that will result in adverse impacts resulting from landslides, lateral spreading, subsidence, liquefaction or collapse?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact | <input type="checkbox"/> Less than Significant Impact |
|---|---|

☐ Potentially Significant Unless ☒ No Impact  
Mitigation Incorporated

Discussion/Explanation:

**No Impact:** The proposed project is not located on or near geological formations that are unstable or would potentially become unstable as a result of the project. The project site is relatively flat with an elevation of approximately 100 feet above mean sea level. The slope is less than 1 percent throughout the majority of the project site. In addition, an on site visit conducted by County DPW-ESU staff on October 6, 2005 found no geological formations or features that would produce unstable geological conditions as a result of the project. For further information refer to VI Geology and Soils, Question a., i-iv listed above.

- d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?

☐ Potentially Significant Impact ☐ Less than Significant Impact  
☐ Potentially Significant Unless ☒ No Impact  
Mitigation Incorporated

Discussion/Explanation:

**No Impact:**

The proposed project site does not contain expansive soils as defined by Table 18-I-B of the Uniform Building Code (1994). The soils on-site are Salinas clay loam. These soils have a shrink-swell behavior of low and represent no substantial risks to life or property. This was confirmed by staff review of the Soil Survey for the San Diego Area, prepared by the US Department of Agriculture, Soil Conservation and Forest Service dated December 1973. Therefore, the project will not create a substantial risk to life or property because the project does not propose any structures.

- e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

☐ Potentially Significant Impact ☐ Less than Significant Impact  
☐ Potentially Significant Unless ☒ No Impact  
Mitigation Incorporated

Discussion/Explanation:

**No Impact:** The proposed flood control improvement proposes to upgrade the existing drainage facilities and to alleviate flooding up to and including a 100-year runoff event in the vicinity of Central Avenue. The project does not propose any septic tanks or

alternative wastewater disposal systems since no wastewater will be generated from the implementation of the project.

**VII. HAZARDS AND HAZARDOUS MATERIALS** -- Would the project:

- a) Create a significant hazard to the public or the environment through the routine transport, storage, use, or disposal of hazardous materials or wastes?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporation	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The project will not create a significant hazard to the public or the environment because it does not propose the storage, use, transport, emission, or disposal of Hazardous Substances, nor are Hazardous Substances proposed or currently in use in the immediate vicinity.

- b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The proposed project will not contain, handle, or store any potential sources of chemicals or compounds that would present a significant risk of accidental explosion or release of hazardous substances.

- c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:**

Although the proposed project is located within one-quarter mile of Sunnyside Elementary the project does not propose the handling, storage, or transport of hazardous materials. Therefore, the project will not have any effect on an existing or proposed school.

- d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The proposed project is not located on a site listed in the State of California Hazardous Waste and Substances sites list compiled pursuant to Government Code Section 65962.5.

- e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The proposed project is not located within a Comprehensive Land Use Plan (CLUP) for airports; or within two miles of a public airport. Also, the project does not propose construction of any structure equal to or greater than 150 feet in height, constituting a safety hazard to aircraft and/or operations from an airport or heliport. Therefore, the project will not constitute a safety hazard for people residing or working in the project area.

- f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The proposed project is not within one mile of a private airstrip. As a result, the project will not constitute a safety hazard for people residing or working in the project area.

g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

The following sections summarize the project's consistency with applicable emergency response plans or emergency evacuation plans.

i. OPERATIONAL AREA EMERGENCY PLAN:

**Less Than Significant Impact:** The Operational Area Emergency Plan is a framework document that provides direction to local jurisdictions to develop specific operational area of San Diego County. It provides guidance for emergency planning and requires subsequent plans to be established by each jurisdiction that has responsibilities in a disaster situation. The project will not interfere with this plan because it will not prohibit subsequent plans from being established.

ii. SAN DIEGO COUNTY NUCLEAR POWER STATION EMERGENCY RESPONSE PLAN

**No Impact:** The San Diego County Nuclear Power Station Emergency Response Plan will not be interfered with by the project due to the location of the project, plant and the specific requirements of the plan. The emergency plan for the San Onofre Nuclear Generating Station includes an emergency planning zone within a 10-mile radius. All land area within 10 miles of the plant is not within the jurisdiction of the unincorporated County and as such a project in the unincorporated area is not expected to interfere with any response or evacuation.

iii. OIL SPILL CONTINGENCY ELEMENT

**No Impact:** The Oil Spill Contingency Element will not be interfered with because the project is not located along the coastal zone or coastline.

iv. EMERGENCY WATER CONTINGENCIES ANNEX AND ENERGY SHORTAGE RESPONSE PLAN

**No Impact:** The Emergency Water Contingencies Annex and Energy Shortage Response Plan will not be interfered with because the project does not propose altering major water or energy supply infrastructure, such as the California Aqueduct.

v. Dam Evacuation Plan

**No Impact:** The Dam Evacuation Plan will not be interfered with because the proposed project is located outside a dam inundation zone.

- h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The proposed flood control improvement proposes to upgrade the existing drainage facilities and to alleviate flooding up to and including a 100-year runoff event in the vicinity of Central Avenue. It is not anticipated that the project will expose people or structures to a significant risk of loss, injury or death involving hazardous wildland fires.

- i) Propose a use, or place residents adjacent to an existing or reasonably foreseeable use that would substantially increase current or future resident's exposure to vectors, including mosquitoes, rats or flies, which are capable of transmitting significant public health diseases or nuisances?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The proposed project does not involve or support uses that allow water to stand for a period of 72 hours (3 days) or more (e.g. artificial lakes, agricultural irrigation ponds). Also, the project does not involve or support uses that will produce or collect animal waste, such as equestrian facilities, agricultural operations (chicken coops, dairies etc.), solid waste facility or other similar uses. Moreover, based on a site visit conducted by County ESU staff on October 6, 2005, there are none of these uses on adjacent properties. Therefore, the project will not substantially increase current or future resident's exposure to vectors, including mosquitoes, rats or flies.

**VIII. HYDROLOGY AND WATER QUALITY** -- Would the project:

- a) Violate any waste discharge requirements?

<input type="checkbox"/> Potentially Significant Impact	<input checked="" type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input type="checkbox"/> No Impact

Discussion/Explanation:

**Less Than Significant:** The proposed flood control improvement proposes to upgrade the existing drainage facilities and to alleviate flooding up to and including a 100-year runoff event in the vicinity of Central Avenue. The project will require a Regional Water Quality Control Board 401 Water Quality Certification. The project proposes and will be required to implement the following site design measures and/or source control BMPs to reduce potential pollutants to the maximum extent practicable from entering storm water runoff: silt fencing, gravel bags, storm drain inlet protection, and erosion control measures. These measures will enable the project to meet waste discharge requirements as required by the Land-Use Planning for New Development and Redevelopment Component of the San Diego Municipal Permit (SDRWQCB Order No. 2001-01), as implemented by the San Diego County Jurisdictional Urban Runoff Management Program (JURMP) and Standard Urban Storm Water Mitigation Plan (SUSMP).

Finally, the project's conformance to the waste discharge requirements listed above ensures the project will not create cumulatively considerable water quality impacts related to waste discharge because, through the permit, the project will conform to Countywide watershed standards in the JURMP and SUSMP, derived from State regulation to address human health and water quality concerns. Therefore, the project will not contribute to a cumulatively considerable impact to water quality from waste discharges.

- b) Is the project tributary to an already impaired water body, as listed on the Clean Water Act Section 303(d) list? If so, could the project result in an increase in any pollutant for which the water body is already impaired?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

**No Impact:** The project lies in the La Nacion hydrologic subarea (909.12) of the Lower Sweetwater hydrologic area in the Sweetwater hydrologic unit. According to the Clean Water Act Section 303(d) list, July 2003, although portions of the San Diego Bay are impaired for coliform bacteria, no portion of the Sweetwater River, which is tributary to the Bay, is impaired. Constituents of concern in the Sweetwater River watershed include coliform bacteria and trace metals. However, the project does not propose any known source of pollutants or land use activities that might contribute pollutants.

- c) Could the proposed project cause or contribute to an exceedance of applicable surface or groundwater receiving water quality objectives or degradation of beneficial uses?

- |   |  |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless | <input type="checkbox"/> No Impact                               |



Mitigation Incorporated

Discussion/Explanation:

**Less Than Significant Impact:** The Regional Water Quality Control Board has designated water quality objectives for waters of the San Diego Region as outlined in Chapter 3 of the Water Quality Control Plan (Plan). The water quality objectives are necessary to protect the existing and potential beneficial uses of each hydrologic unit as described in Chapter 2 of the Plan.

The project lies in the La Nacion hydrologic subarea (909.12) of the Lower Sweetwater hydrologic area, within the Sweetwater hydrologic unit that has the following existing and potential beneficial uses for inland surface waters, coastal waters, reservoirs and lakes, and ground water: municipal and domestic supply; agricultural supply; industrial process supply, industrial service supply; contact water recreation; non-contact water recreation; warm freshwater habitat; cold freshwater habitat; wildlife habitat; preservation of biological habitats of special significance; and rare, threatened, or endangered species habitat.

The project proposes potential sources of polluted runoff from construction activities, including grading that could cause sediment and soils to be released off site and carried downstream from the project. However, site design measures and/or source control BMP's will be employed to reduce potential pollutants in runoff to the maximum extent practicable, such that the proposed project will not cause or contribute to an exceedance of applicable surface or groundwater receiving water quality objectives or degradation of beneficial uses. The proposed BMPs for construction include, silt fences, gravel bags, storm drain inlet protection, and erosion control measures.

Due to the close proximity of Central Avenue and the roadway land use classification sediments, heavy metals, organic compounds, trash and debris, and oil and grease are anticipated pollutants. Pollutant concentrations are not anticipated to increase significantly since the proposed improvements are not designed to increase the amount of local traffic or change the current land use in the area. Treatment Control BMPs have been incorporated into the project design to minimize the probability of the exceedance of applicable surface or groundwater receiving water quality objectives and/or degradation of beneficial uses. The 18" RCP storm drain inlets located at the end of Hazelhurst Court and Audubon Court will contain a stormwater filter system to minimize the potential for pollutants to enter the creek from the street. These filters will be maintained by the Department of Public Works field crews and will be periodically cleaned. In addition the project proposes to construct a vegetated drainage swale adjacent to the proposed culvert to catch any localized urban runoff from adjacent residences. The vegetative swale will convey runoff flow to the catch basins located at the property lines north of Central Avenue.

In addition, the proposed BMP's are consistent with regional surface water, storm water and groundwater planning and permitting process that has been established to improve the overall water quality in County watersheds. As a result, the project will not

contribute to a cumulatively considerable exceedance of applicable surface or groundwater receiving water quality objectives or degradation of beneficial uses. Refer to Section VIII., Hydrology and Water Quality, Question b, for more information on regional surface water and storm water planning and permitting process.

- d) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The proposed project will not use groundwater for any purpose, including irrigation, domestic or commercial demands. In addition, the project does not involve operations that would interfere substantially with groundwater recharge including, but not limited to the following: the project does not involve regional diversion of water to another groundwater basin; or diversion or channelization of a stream course or waterway with impervious layers, such as concrete lining or culverts, for substantial distances (e.g. ¼ mile). These activities and operations can substantially affect rates of groundwater recharge. Therefore, no impact to groundwater resources is anticipated.

- e) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?

<input type="checkbox"/> Potentially Significant Impact	<input checked="" type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input type="checkbox"/> No Impact

Discussion/Explanation:

**Less than Significant Impact:** The minor alteration of the drainage to the site would not result in substantial erosion or siltation on- or off-site. Site drainage within the project area will change in several ways due to the construction of the proposed project. Central Avenue has a history of flooding problems during moderate and large storm events. Specifically the existing earthen channel on the north side of Central Avenue west of Belle Bonnie Brae Road is inundated by runoff and floods at least five adjacent properties on the north side of the road. Furthermore, the existing drainage facility that conveys flows downstream of Central Avenue has a history of flooding during large storms. The proposed flood control improvement proposes to upgrade the existing drainage facilities and to alleviate flooding up to and including a 100-year runoff event in

the vicinity of Central Avenue. Storm water that currently floods the project area either evaporated, infiltrates pervious ground, or eventually drains back to the existing facilities and eventually to the Sweetwater River.

Grading proposed north and northeast of the proposed 16' x 5' RCB culvert will lower the ground surface elevation from existing conditions. The proposed culvert will also be constructed at a lower base elevation than the existing earthen channel north of Central Avenue. The larger dimensions of the proposed 16' x 5' RCB will increase the conveyance capacity over the existing channel. Increased runoff over the proposed culvert and surrounding land will be controlled with grading to achieve positive drainage, and through the use of appropriately sized and placed drainage inlets. The proposed drainage inlets will tie into the proposed culvert to reduce the possibility of localized flooding. The channel south of Central Avenue will be graded and widened to match the width of the proposed culvert underneath Central Avenue. Channel widening will increase the capacity to convey larger volumes of storm water and may decrease flow velocities. Lower flow velocities potentially decrease the amount of erosion and scour.

The project will implement the following site design measures, source control, and/or treatment control BMP's to reduce potential pollutants, including sediment from erosion or siltation, to the maximum extent practicable from entering storm water runoff: silt fences, storm drain inlet protection, gravel bags, and soil stabilizers. These measures will control erosion and sedimentation and satisfy waste discharge requirements as required by the Land-Use Planning for New Development and Redevelopment Component of the San Diego Municipal Permit (SDRWQCB Order No. 2001-01), as implemented by the San Diego County Jurisdictional Urban Runoff Management Program (JURMP) and Standard Urban Storm Water Mitigation Plan (SUSMP). A Stormwater Management Plan (SWMP) will be prepared by the contractor after the project is awarded. The SWMP will specify and describe the implementation process of all BMP's that will address equipment operation and materials management, prevent the erosion process from occurring, and prevent sedimentation in any onsite and downstream drainage swales. The Department of Public Works will ensure that the Plan is implemented as proposed. Due to these factors, it has been found that the project will not result in significantly increased erosion or sedimentation potential and will not alter any drainage patterns of the site or area on- or off-site. In addition, because erosion and sedimentation will be controlled within the boundaries of the project, the project will not contribute to a cumulatively considerable impact. For further information on soil erosion refer to Section VI., Geology and Soils, Question b.

- f) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?

<input type="checkbox"/> Potentially Significant Impact	<input checked="" type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input type="checkbox"/> No Impact

Discussion/Explanation:

**Less than Significant Impact:** The project proposes to upgrade the drainage facilities and alleviate flooding up to and including the 100 year runoff event in the vicinity of Central Avenue. Central Avenue has a long history of flooding problems during moderate and large storm events. Approximately 46 homes would be inundated or would result in flood damage during the 100 year event. Hydraulic analysis of the existing triple RCB under Central Avenue indicates that it can convey peak runoff from a 5-year to 10-year return frequency storm. Hydraulic calculations indicate that the runoff from a 100-year storm generates a flow rate of approximately 3,650 cubic feet per second in the existing channel between Central Avenue and Dawsonia.

In order to reduce flooding along Central Avenue site drainage within the project area will change in several ways due to the proposed project. Grading proposed north and northeast of the proposed 16' x 5' RCB culvert will lower the ground surface elevation from existing conditions. The proposed culvert will also be constructed at a lower base elevation than the existing earthen channel north of Central Avenue. The larger dimensions of the proposed 16' x 5' RCB will increase conveyance capacity over the existing channel. In addition, installing wider culverts to increase storm water conveyance alongside and underneath Central Avenue will reduce the potential for flooding and increase vehicular and pedestrian safety.

Increased runoff over the proposed culvert and surrounding land will be controlled with grading to achieve positive drainage, and through the use of appropriately sized and placed drainage inlets. The proposed drainage inlets will tie into the proposed culvert to reduce the possibility of localized flooding. Additionally the construction of the proposed CMU floodwall along the northwest bank of the channel will divert high water flows from flooding adjacent properties. The above mentioned improvements will act to alleviate the current flood issues in the vicinity of Central Avenue and will not substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site.

- g) Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems?

<input type="checkbox"/> Potentially Significant Impact	<input checked="" type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input type="checkbox"/> No Impact

Discussion/Explanation:

**Less than Significant Impact:** The proposed flood control improvement proposes to upgrade the existing drainage facilities and to alleviate flooding up to and including a 100-year runoff event in the vicinity of Central Avenue. Currently, the Dawsonia-Central Avenue Channel has an existing flow capacity of 1100cfs with a flood flow capacity of less than 5 years. The existing Central Avenue culverts have an existing flow capacity of 1600 cfs and a flood flow capacity of less than 10 years. In addition the Central

Avenue channel has an existing flow capacity of 600 cfs and a flood flow capacity of less than 2 years. Because Central Avenue drains away from the Central Avenue channel crossing, runoff overtopping the culvert headwall flows west along Central Avenue flooding the travel way and several properties along the road. The proposed installation of wider culverts will increase the storm water conveyance alongside and underneath Central Avenue will reduce the potential for flooding and increase vehicular and pedestrian safety. The proposed project will be able to handle the 100-year storm, 3605 cfs. Therefore, the project does not propose to create or contribute runoff water that would exceed the capacity of existing or planned storm water drainage systems.

h) Provide substantial additional sources of polluted runoff?

- |   |  |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact                         | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input type="checkbox"/> No Impact                               |

Discussion/Explanation:

**Less Than Significant Impact:** The project proposes construction activities including grading that could potentially provide an additional sources of polluted runoff: Sediments and soils could be released during grading activities and be carried downstream from the project site. However, the following site design measures and/or source control BMPs and/or treatment control BMPs will be employed such that potential pollutants will be reduced in runoff to the maximum extent practicable: silt fences, gravel bags, storm drain inlet protection, and erosion control measures.

Due to the close proximity of Central Avenue and the roadway land use classification sediments, heavy metals, organic compounds, trash and debris, and oil and grease are anticipated post construction pollutants. Pollutant concentrations are not anticipated to increase significantly since the proposed improvements are not designed increase the amount of local traffic or change the current land use. Treatment Control BMPs have been incorporated into the project design to minimize the potential for polluted runoff downstream. The 18" RCP storm drains located at the end of Hazelhurst Court and Audubon Court will contain a stormwater filter system to minimize the potential for pollutants to enter the creek from the street. These filters will be maintained by the Department of Public Works field crews and will be periodically cleaned. In addition the project proposes to construct a vegetated drainage swale adjacent to the proposed culvert to catch any localized urban runoff from adjacent residences. The vegetative swale will convey runoff flow to the catch basins located at the property lines north of Central Avenue.

Refer to VIII Hydrology and Water Quality Questions a, b, c, for further information.

- i) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map, including County Floodplain Maps?

<input type="checkbox"/> Potentially Significant Impact	<input checked="" type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input type="checkbox"/> No Impact

Discussion/Explanation:

**Less Than Significant Impact:** Drainage swales, which are mapped on a FEMA floodplain map, a County Floodplain Map or have a watershed greater than 25 acres were identified on the project site. However, the project is not proposing to place structures with a potential for human occupation within these areas and will not place access roads or other improvements which will limit access during flood events or affect downstream properties. The project proposes just the opposite. Approximately 46 homes would be removed from out of the 100 year storm flood plain as a result of the implementation of the proposed project.

- j) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?

<input type="checkbox"/> Potentially Significant Impact	<input checked="" type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input type="checkbox"/> No Impact

Discussion/Explanation:

**Less Than Significant:** The proposed project site contains drainage swales, which are identified as being 100-year flood hazard areas. However, the project is not proposing to place structures and access roads, which will impede or redirect flood flows in these areas.

- k) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The proposed project site lies outside any identified special flood hazard area including a mapped dam inundation area for a major dam/reservoir within San Diego County. In addition, the project is not located immediately downstream of a minor

dam that could potentially flood the property. Therefore, the project will not expose people to a significant risk of loss, injury or death involving flooding.

l) Inundation by seiche, tsunami, or mudflow?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

i. SEICHE

**No Impact:** The proposed project site is not located along the shoreline of a lake or reservoir; therefore, could not be inundated by a seiche.

ii. TSUNAMI

**No Impact:** The proposed project site is located more than a mile from the coast; therefore, in the event of a tsunami, would not be inundated.

iii. MUDFLOW

**No Impact:** Mudflow is type of landslide. The site is not located within a landslide susceptibility zone. The proposed project site is relatively flat with a less than 1% slope throughout the majority of the site. The project does propose land disturbance that will expose soils however, the project is not located downstream from exposed soils within a landslide susceptibility zone. Therefore, it is not anticipated that the project will expose people or property to inundation due to a mudflow.

**IX. LAND USE AND PLANNING** -- Would the project:

a) Physically divide an established community?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

**No Impact:** The proposed project does not propose the introducing new infrastructure such major roadways or water supply systems, or utilities to the area. Therefore, the proposed project will not significantly disrupt or divide the established community.

b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific

plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

**No Impact:** In the review of the project, no conflicts with environmental plans or policies adopted by other agencies have been identified. These agencies include, but are not limited to: The California Regional Water Quality Control Board, the San Diego Air Pollution Control District, California Department of Fish and Game, the US Fish and Wildlife Service, the State Department of Health Services, and the County Department of Environmental Health.

**X. MINERAL RESOURCES** -- Would the project:

- a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

- |   |  |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact                         | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input type="checkbox"/> No Impact                               |

Discussion/Explanation:

**Less Than Significant Impact:** Although the project site has been classified by the California Department of Conservation – Division of Mines and Geology (Update of Mineral Land Classification: Aggregate Materials in the Western San Diego Production-Consumption Region, 1997) as an area of undetermined mineral resources MRZ-3. The site is located in the flood plain of the Sweetwater River and is underlain by Quaternary age alluvium and terrace deposits. This material consists of unconsolidated clays, silts, sands, and gravels. Therefore, no potentially significant loss of availability of a known mineral resource of value to the region and the residents of the state will occur as a result of this project. Moreover, if the resources are not considered significant mineral deposits, loss of these resources cannot contribute to a potentially significant cumulative impact.

- b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact         |



Discussion/Explanation:

**No Impact:** The project site is zoned Rural Residential (RR2), Residential Single (RS4), and Residential Variable (RV2), which is not considered to be an Extractive Use Zone (S-82) nor does it have an Impact Sensitive Land Use Designation (24) with an Extractive Land Use Overlay (25) (County Land Use Element, 2000).

**XI. NOISE** -- Would the project result in:

- a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

- |  |   |
|--|---|
| <input type="checkbox"/> Potentially Significant Impact                                    | <input type="checkbox"/> Less than Significant Impact |
| <input checked="" type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input type="checkbox"/> No Impact                    |

Discussion/Explanation:

**Potentially Significant Unless Mitigation Incorporated:** The proposed flood control improvement project proposes to upgrade the existing drainage facilities and to alleviate flooding up to and including a 100-year runoff event in the vicinity of Central Avenue. Construction activities would involve a number of different operations and equipment including but not limited to earthwork including excavations, loading, and hauling of material with an excavator or backhoe, a bulldozer, and a number of trucks; rock excavation involving rock drilling with rock drilling rigs; creation of roadway subdrains including earth excavation, placement of fabric and piping, and crushed rock dumping with an excavator, haul trucks, and rock dump trucks; and general construction activities.

Noise Ordinance – Section 36-410

Based on a Noise Analysis prepared by EDAW and dated February 2006 the project will not generate construction noise that may exceed the standards of the County of San Diego Noise Ordinance (Section 36-410) except during saw cutting construction activities. Residences, sensitive receptor sites, are located approximately 100 feet from saw cutting activities associated with the installation of the triple box culvert. Noise levels from a single asphalt/concrete saw operating without other equipment, such as a loader would be approximately 76 dBA  $L_{eq}$ , when combined with a loader the noise level would increase to 77 dBA  $L_{eq}$  which is greater than the 75 decibels set within the Noise Ordinance. In addition the use of a hoe-ram and loader for pavement breaking would generate noise levels on the order of 85 dBA  $L_{max}$  and 78 dBA  $L_{eq}$  at the nearest unshielded residence. This increase could represent a significant impact. To reduce the level of impact, the project proposes to place temporary 8 foot high noise barriers or sound enclosures located 5 feet from the saw cutting activities to reduce the construction related noise levels and impact to nearby receptors. A temporary sound barrier is also proposed during any pavement breaking activities. Therefore with the incorporation of the sound barrier, saw cutting during daytime hours will not result in a significant noise impact. In addition, construction operations will occur only during

permitted hours of operation, 7am – 7pm, pursuant to Section 36-410. Also, it is not anticipated that the project will operate construction equipment in excess of 75 dB for more than an 8 hours during a 24-hour period for any other activity.

Furthermore the project proposes the development and implementation of a noise control plan to minimize possible short-term nuisance. This plan will include a resident notification of homes immediately adjacent to the project alignment of the work schedule, require that all construction equipment be equipped with manufacturer's approved exhaust mufflers, require that all contractors have a regular maintenance and lubrication program for their equipment, establish and placement of area notification signs within the vicinity of the project, noise complaint and response procedure, scheduling of construction events to minimize noise nearly adjacent residences, and measures to minimize noise from the use of back-up alarms.

Finally, the project's conformance to the County of San Diego General Plan (Noise Element, Policy 4b and County of San Diego Noise Ordinance (Section 36-404 and 36.410) ensures the project will not create cumulatively considerable noise impacts, because the project will not exceed the local noise standards for noise sensitive areas; and the project will not exceed the applicable noise level limits at the property line or construction noise limits, derived from State regulation to address human health and quality of life concerns. Therefore, the project will not contribute to a cumulatively considerable exposure of persons or generation of noise levels in excess of standards established in the local general plan, noise ordinance, and applicable standards of other agencies.

b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

**No Impact:** The project does not propose any of the following land uses that can be impacted by groundborne vibration or groundborne noise levels.

1. Buildings where low ambient vibration is essential for interior operation, including research and manufacturing facilities with special vibration constraints.
2. Residences and buildings where people normally sleep including hotels, hospitals, residences and where low ambient vibration is preferred.
3. Civic and institutional land uses including schools, churches, libraries, other institutions, and quiet office where low ambient vibration is preferred.
4. Concert halls for symphonies or other special use facilities where low ambient vibration is preferred.

Also, the project does not propose any major, new or expanded infrastructure such as mass transit, highways or major roadways or intensive extractive industry that could

generate excessive groundborne vibration or groundborne noise levels on-site or in the surrounding area.

- c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The project is for an unmanned facility that does not support any noise-generating equipment. Therefore, the project would not result in a substantial permanent increase in existing ambient noise levels in the project vicinity.

- d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input checked="" type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input type="checkbox"/> No Impact

Discussion/Explanation:

**Potentially Significant Unless Mitigation Incorporated:** Construction noise generated from the operation of heavy equipment and truck traffic will constitute the primary noise impact from the proposed project. Equipment noise from construction activities could be briefly intrusive at the closest residences during construction activities outlined in XI a). Significance thresholds will not be exceeded except for in the vicinity of saw cutting and pavement movement activities. Residences, sensitive receptor sites, are located approximately 100 feet from saw cutting activities associated with the installation of the triple box culvert. Noise levels from a single asphalt/concrete saw operating without other equipment, such as a loader would be approximately 76 dBA  $L_{eq}$ , when combined with a loader the noise level would increase to 77 dBA  $L_{eq}$  which is greater than the 75 decibels set within the Noise Ordinance. In addition the use of a hoe-ram and loader for pavement breaking would generate noise levels on the order of 85 dBA  $L_{max}$  and 78 dBA  $L_{eq}$  at the nearest unshielded residence. This increase could represent a significant impact. To reduce the level of impact, the project proposes to place temporary 8 foot high noise barriers or sound enclosures located 5 feet from the saw cutting activities to reduce the construction related noise levels and impact to nearby receptors. A temporary sound barrier is also proposed during any pavement breaking activities. Therefore with the incorporation of the sound barrier, saw cutting during daytime hours will not result in a significant noise impact. In addition, the project proposes the development and implementation of a noise control plan to minimize possible short-term nuisance. This plan will include a resident

notification of homes immediately adjacent to the project alignment of the work schedule, require that all construction equipment be equipped with manufacturer's approved exhaust mufflers, require that all contractors have a regular maintenance and lubrication program for their equipment, establish and placement of area notification signs within the vicinity of the project, noise complaint and response procedure, scheduling of construction events to minimize noise nearly adjacent residences, and measures to minimize noise from the use of back-up alarms. Furthermore, the Construction operations will occur only during permitted hours of operation pursuant to County of San Diego Noise Ordinance Section 36-410.

- e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The proposed project is not located within a Comprehensive Land Use Plan (CLUP) for airports or within 2 miles of a public airport or public use airport. Therefore, the project will not expose people residing or working in the project area to excessive airport-related noise levels.

- f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The proposed project is not located within a one-mile vicinity of a private airstrip; therefore, the project will not expose people residing or working in the project area to excessive airport-related noise levels.

**XII. POPULATION AND HOUSING** -- Would the project:

- a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Mitigation Incorporated

Discussion/Explanation:

**No Impact:** The proposed project will not induce substantial population growth in an area because the project does not propose any physical or regulatory change that would remove a restriction to or encourage population growth in an area including, but limited to the following: new or extended infrastructure or public facilities; new commercial or industrial facilities; large-scale residential development; accelerated conversion of homes to commercial or multi-family use; or regulatory changes including General Plan amendments, specific plan amendments, zone reclassifications, sewer or water annexations; or LAFCO annexation actions.

- b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:**

The proposed project will not displace any existing housing since the site is currently vacant.

- c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The proposed project will not displace a substantial number of people since the site is currently vacant.

**XIII. PUBLIC SERVICES**

- a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance service ratios, response times or other performance objectives for any of the public services:

- i. Fire protection?
- ii. Police protection?
- iii. Schools?
- iv. Parks?
- v. Other public facilities?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Mitigation Incorporated Unless | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

**No Impact:** The project proposes flood control improvements along Central Avenue. It will not result in the need for significantly altered services or facilities. The project does not involve the construction of new or physically altered governmental facilities including but not limited to fire protection facilities, sheriff facilities, schools, or parks in order to maintain acceptable service ratios, response times or other performance service ratios or objectives for any public services. Therefore, the project will not have an adverse physical effect on the environment because the project does not require new or significantly altered services or facilities to be constructed.

**XIV. RECREATION**

- a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Mitigation Incorporated Unless | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

**No Impact:** The project proposes flood control improvements along Central Avenue. The project does not propose any residential use, included but not limited to a residential subdivision, mobilehome park, or construction for a single-family residence that may increase the use of existing neighborhood and regional parks or other recreational facilities in the vicinity.

- b) Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Mitigation Incorporated Unless | <input checked="" type="checkbox"/> No Impact         |



Discussion/Explanation:

**No Impact:** The project proposes flood control improvements along Central Avenue. The project does not include recreational facilities or require the construction or expansion of recreational facilities. Therefore, the construction or expansion of recreational facilities cannot have an adverse physical effect on the environment.

**XV. TRANSPORTATION/TRAFFIC** -- Would the project:

- a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?

<input type="checkbox"/> Potentially Significant Impact	<input checked="" type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input type="checkbox"/> No Impact

Discussion/Explanation:

**Less than Significant:** The proposed project is a flood control improvement project and would not result in a long-term increase in traffic volumes or capacities along Central Avenue. The proposed project would generate short-term traffic during construction. Short-term traffic would include transport of heavy construction equipment to and from the project site, truck traffic associated with hauling construction components and materials to the site and removal of spoils and/or debris, and construction workers commuting to and from the construction site. As a worst case scenario 50 trips per day would be added to the existing ADT during construction, with 10 being heavy trucks and 40 being automobiles.

In addition, Central Avenue is a major roadway in the community of Bonita and is classified as a Collector Urban road. Flooding along Central Avenue will continue to cause significant traffic delays. The proposed project will reduce flooding along Central Avenue and will improve public safety to motorists and pedestrians.

- b) Exceed, either individually or cumulatively, a level of service standard established by the County congestion management agency and/or as identified by the County of San Diego Transportation Impact Fee Program for designated roads or highways?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The project proposes flood control improvements along Central Avenue. The proposed project would generate short-term traffic during construction. Short-term traffic would include transport of heavy construction equipment to and from the project site, truck traffic associated with hauling construction components and materials to the site and removal of spoils and/or debris, and construction workers commuting to and from the construction site. As a worst case scenario 50 trips per day would be added to the existing ADT during construction, with 10 being heavy trucks and 40 being automobiles. The proposed project will have no direct or cumulative impact on the level of service standard established by the County congestion management agency for designated roads or highways.

- c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The project proposes flood control improvements along Central Avenue. The proposed project is located outside of an Airport Master Plan Zone and is not adjacent to any public or private airports; therefore, the project will not result in a change in air traffic patterns.

- d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The project proposes flood control improvements along Central Avenue. The proposed project will not alter traffic patterns, roadway design, or place incompatible uses (e.g., farm equipment) on existing roadways. The proposed project will reduce the flooding along Central Avenue and will alleviate the significant traffic delays that result during flooding events.

- e) Result in inadequate emergency access?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The project proposes flood control improvements along Central Avenue. The proposed project will not result in inadequate emergency access. The project is not served by a dead-end road that exceeds the maximum cumulative length permitted by the Consolidated Fire Code for the 17 Fire Protection Districts in San Diego County; therefore, the project has adequate emergency access.

f) Result in inadequate parking capacity?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

**No Impact:** No on-site or off-site parking is required or proposed for the proposed flood control project. The project will not result in inadequate parking capacity on-site or off-site.

g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

**No Impact:** The proposed project will alleviate the flooding issues in the vicinity of Central Avenue. The implementation will not result in any construction or new road design features; therefore, will not conflict with policies regarding alternative transportation.

**XVI. UTILITIES AND SERVICE SYSTEMS** -- Would the project:

a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

**No Impact:** The project proposes flood control improvements along Central Avenue. The project does not involve any uses that will discharge any wastewater to sanitary

sewer or on-site wastewater systems (septic). Therefore, the project will not exceed any wastewater treatment requirements.

- b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Mitigation Incorporated	Unless <input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The project proposes flood control improvements along Central Avenue. The project does not include new or expanded water or wastewater treatment facilities. In addition, the project does not require the construction or expansion of water or wastewater treatment facilities. Therefore, the project will not require any construction of new or expanded facilities, which could cause significant environmental effects.

- c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Mitigation Incorporated	Unless <input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The project proposes to flood control improvements to alleviate the flooding issues in the vicinity of Central Avenue. The project proposes to construct a triple 16' x 5' reinforced concrete box (RCB) culvert to replace the existing drainage channel, driveway structures, and headwall structure at Central Avenue. The existing triple 10'x 5' RCB under Central Avenue will be replaced with a triple 16' x 5' RCB. The larger dimensions of the proposed culvert will increase conveyance capacity over the existing channel. A reinforced concrete apron will be constructed south of the Central Avenue crossing where the underground RCB culverts transitions to an open channel. An energy dissipator consisting of a cellular mat and turf reinforcement map will be constructed immediately downstream from the concrete apron. In addition the proposes to construct an 8-foot high Concrete Masonry Unit (CMU) block floodwall along the banks of the downstream earthen channel to the Dawsonia Street over crossing to help mitigate potential flooding issues at adjacent residential properties.

BMPs will be employed to reduce potential pollutants to the maximum extent practicable from entering storm water runoff. Furthermore, as outlined in this Environmental Analysis Form Section I-XVII, the improved facilities will not result in an adverse physical effect on the environment, because all related impacts from the proposed storm water facilities have been mitigated to a level below significance. Refer to Section IV. for more information.

- d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Mitigation Incorporated Unless	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The proposed project does not involve or require water services from a water district. The proposed project provides improvements to the existing drainage that does rely on water service for any purpose.

- e) Result in a determination by the wastewater treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Mitigation Incorporated Unless	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The project proposes flood control improvements to the existing drainage facility and will not produce any wastewater; therefore, the project will not interfere with any wastewater treatment provider's service capacity.

- f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Mitigation Incorporated Unless	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The project is for flood control improvements to an existing drainage facility and will not generate any solid waste nor place any burden on the existing permitted capacity of any landfill or transfer station within San Diego County.

- g) Comply with federal, state, and local statutes and regulations related to solid waste?

<input type="checkbox"/> Potentially Significant Impact	<input type="checkbox"/> Less than Significant Impact
<input type="checkbox"/> Potentially Significant Mitigation Incorporated Unless	<input checked="" type="checkbox"/> No Impact

Discussion/Explanation:

**No Impact:** The project is for improvements to an existing drainage facility and will not generate any solid waste nor place any burden on the existing permitted capacity of any landfill or transfer station within San Diego County. Therefore, compliance with any Federal, State, or local statutes or regulation related to solid waste is not applicable to this project.

**XVII. MANDATORY FINDINGS OF SIGNIFICANCE:**

- a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

- |   |   |
|---|---|
| <input type="checkbox"/> Potentially Significant Impact                         | <input type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Potentially Significant Unless Mitigation Incorporated | <input checked="" type="checkbox"/> No Impact         |

Discussion/Explanation:

**No Impact:** Per the instructions for evaluating environmental impacts in this Initial Study, the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory were considered in the response to each question in Sections IV and V of this form. In addition to project specific impacts, this evaluation considered the projects potential for significant cumulative effects. There is no substantial evidence that there are biological or cultural resources that are affected or associated with this project. Therefore, this project has been determined not to meet this Mandatory Finding of Significance. Resources that have been evaluated as significant would be potentially impacted by the project, particularly Biological Resources. However, mitigation has been included that clearly reduces these effects to a level below significance. As a result of this evaluation, there is no substantial evidence that, after mitigation, significant effects associated with this project would result. Therefore, this project has been determined not to meet this Mandatory Finding of Significance.

- b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?



- ☐ Potentially Significant Impact      ☐ Less than Significant Impact  
☐ Potentially Significant Unless ☒ No Impact  
Mitigation Incorporated

Discussion/Explanation:

**No Impact:** The following list of past, present and future projects were considered and evaluated as a part of this Initial Study:

PROJECT NAME	PERMIT/MAP NUMBER
Bender	TPM 20741
	TPM 20392

Per the instructions for evaluating environmental impacts in this Initial Study, the potential for adverse cumulative effects were considered in the response to each question in sections I through XVI of this form. In addition to project specific impacts, this evaluation considered the projects potential for incremental effects that are cumulatively considerable. As a result of this evaluation, there is no substantial evidence that there are cumulative effects associated with this project. Therefore, this project has been determined not to meet this Mandatory Finding of Significance.

- c) Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?

- ☐ Potentially Significant Impact      ☐ Less than Significant Impact  
☐ Potentially Significant Unless ☒ No Impact  
Mitigation Incorporated

Discussion/Explanation:

**No Impact:** In the evaluation of environmental impacts in this Initial Study, the potential for adverse direct or indirect impacts to human beings were considered in the response to certain questions in sections I. Aesthetics, III. Air Quality, VI. Geology and Soils, VII. Hazards and Hazardous Materials, VIII Hydrology and Water Quality XI. Noise, XII. Population and Housing, and XV. Transportation and Traffic. As a result of this evaluation, there is no substantial evidence that there are adverse effects on human beings associated with this project. Therefore, this project has been determined not to meet this Mandatory Finding of Significance.

#### **XVIII. REFERENCES USED IN THE COMPLETION OF THE INITIAL STUDY CHECKLIST**

All references to Federal, State and local regulation are available on the Internet. For Federal regulation refer to <http://www4.law.cornell.edu/uscode/>. For State regulation

refer to [www.leginfo.ca.gov](http://www.leginfo.ca.gov). For County regulation refer to [www.amlegal.com](http://www.amlegal.com). All other references are available upon request.

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